

ABSTRACT OF THE DISCLOSURE

In a photocurrent-to-binary signal conversion apparatus,
a light receiving element receives a light signal so that a
5 photocurrent in response to the light signal flows through the
light receiving element. An amplifier converts the
photocurrent into a detection voltage. A reference voltage
generating circuit offsets the detection voltage on the side
of the detection voltage to generate a reference voltage.
10 A comparator compares the detection voltage with the reference
voltage to generate a binary signal in accordance with whether
or not the detection voltage is higher than the reference
voltage.